



Atty. Docket No.: AMAT/6826.02/DSM/BCVD/JW

### COMBINED DECLARATION AND POWER OF ATTORNEY

As a below named inventor, I hereby declare that:

This declaration is of the following type:

- ☒ original
- ☐ divisional
- ☐ continuation
- ☐ continuation-in-part

### INVENTORSHIP IDENTIFICATION

My residence, post office address and citizenship are as stated below next to my name. I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

### NITROGEN-FREE DIELECTRIC ANTI REFLECTIVE COATING AND HARD MASK

### SPECIFICATION IDENTIFICATION

The specification of which:

- ☐ is attached hereto
- ☒ was filed on December 10, 2003, under Serial No 10/732,904 , executed on even date herewith; or
- ☐ Express Mail No.(as Serial No. not yet known)  
and was amended on \_\_\_\_\_ (if applicable)
- ☐ was described and claimed in PCT International Application No. \_\_\_\_\_  
filed on \_\_\_\_\_ and as amended under PCT Article 19 on \_\_\_\_\_.

### ACKNOWLEDGMENT OF REVIEW OF PAPERS AND DUTY OF CANDOR

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose all information I know to be material to patentability in accordance with Title 37, Code of Federal Regulations, 1.56, and which is material to the examination of this application; namely, information where there is a substantial likelihood that a reasonable Examiner would consider it important in deciding whether to allow the application to issue as a patent, and

- ☐ In compliance with this duty there is attached an Information Disclosure Statement in accordance with 37 CFR 1.98.

**PRIORITY CLAIM (35 U.S.C. 119)**

I hereby claim foreign priority benefits under Title 35, United States Code, 119, of any provisional or foreign application(s) for patent or inventor's certificate or of any PCT international application(s) designating at least one country other than the United States of America listed below, and have also identified below any provisional or foreign application(s) for patent or inventor's certificate or any PCT international application(s) designating at least one country other than the United States of America filed by me on the same subject matter having a filing date before that of the application(s) of which priority is claimed.

☒ No such applications have been filed.

☐ Such applications have been filed as follows:

**A. Prior foreign/PCT application(s) filed within 12 mos. (6 mos. for design) prior to this application, and any priority claims under 35 U.S.C. 119**

<u>Country/PCT</u>	<u>Application No</u>	<u>Date Filed</u>	<u>Priority Claimed</u>
			<input type="checkbox"/> Yes <input type="checkbox"/> No
			<input type="checkbox"/> Yes <input type="checkbox"/> No
			<input type="checkbox"/> Yes <input type="checkbox"/> No

**B. All foreign application(s), if any, filed more than 12 mos. (6 mos for design) prior to this U.S. application**

Country:

Application No:

Filing date:

**C. U.S. Provisional Application filed within 12 months prior to this application**

<u>Serial No.</u>	<u>Filing Date</u>
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**PRIORITY CLAIM (35 U.S.C. 120)**

I hereby claim the benefit under Title 35, United States Code, 120, of any United States application(s) or PCT international application(s) designating the United States of America that is/are listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in that/those prior application(s) in the manner provided by the first paragraph of Title 35, United States Code, 112, I acknowledge the duty to disclose information that is material to the examination of this application (namely, information where there is substantial likelihood that a reasonable Examiner would consider it important in deciding whether to allow the application to issue as a patent) which occurred between the filing date of the prior application(s) and the national or PCT international filing date of this application.

☐ No such applications have been filed

☒ Such applications have been filed, as follows:

<u>Serial No.</u>	<u>Filing Date</u>	<u>Status</u>	<u>Patented</u>	<u>Pending</u>	<u>Abandoned</u>
10/193,489	July 11, 2002			X	

## POWER OF ATTORNEY

I hereby appoint the following attorneys and/or agents to prosecute this application and transact all business in the Patent and Trademark Office connected therewith:

Donald Verplancken	Registration No. 33,217
Peter J. Sgarbossa	Registration No. 25,610
Lawrence Edelman	Registration No. 25,226
Raymond Kam-On Kwong	Registration No. 37,165
Joseph Bach	Registration No. 37,771
James C. Wilson	Registration No. 35,412
Robert W. Mulcahy	Registration No. 25,436
B. Todd Patterson	Registration No. 37,906
Raymond R. Moser, Jr.	Registration No. 34,682
Keith M. Tackett	Registration No. 32,008
Douglas H. Elliott	Registration No. 32,982
William B. Patterson	Registration No. 34,102

### Send correspondence to:

Patent Counsel  
APPLIED MATERIALS, INC.  
P.O. Box 450-A  
Santa Clara, CA 95052


### Direct telephone calls to:

B. Todd Patterson  
MOSER, PATTERSON & SHERIDAN, L.L.P.

## DECLARATION

*I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and, further, that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Sec. 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patents issued thereon.*


Full name of **first** inventor: **BOK HOEN KIM**

Inventor's signature:  Date: 2-19-04  
Residence: San Jose, California 95120  
Post Office Address: 6656 Pebblewood Court  
U.S.A. Country of Citizenship: South Korea

Full name of **second** inventor: **SUDHA RATHI**

Inventor's signature:  Date: 2-12-04  
Residence: San Jose, California 95132  
Post Office Address: 2748 Westberry Drive  
U.S.A. Country of Citizenship: USA

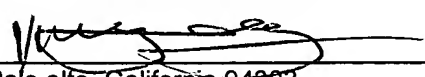
Full name of **third** inventor: **SANG H. AHN**

Inventor's signature:  Date: 2/17/04  
Residence: Santa Clara, California 95057  
Post Office Address: 860 Fargher Drive Foster City CA 94404  
U.S.A. <sup>SKA</sup> Country of Citizenship: South Korea

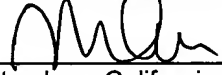
Full name of **fourth** inventor: **CHRISTOPHER D. BENCHER**

Inventor's signature:  Date: 2/27/04  
Residence: San Jose, California 95131  
Post Office Address: 1251 Hazlett Court  
U.S.A. Country of Citizenship: USA


Full name of **fifth** inventor: **YUXIANG MAY WANG**

Inventor's signature:  Date: 02/12/04  
Residence: Palo alto, California 94303  
Post Office Address: 2569 Marshall Drive  
U.S.A. Country of Citizenship: China


Full name of **sixth** inventor: **HICHEM M'SAAD**

Inventor's signature:  Date: 3/17/04  
Residence: Santa clara, California 95051  
Post Office Address: 3500 Granada Avenue, #364  
U.S.A. Country of Citizenship: Tunisia


Full name of **seventh** inventor: **MARIO D. SILVETTI**

Inventor's signature:  Date: 2/11/04  
Residence: Morgan Hill, California 95037  
Post Office Address: 3450 White Oak Court  
U.S.A. Country of Citizenship: USA

Full name of **eighth** inventor: **MIGUEL FUNG**

Inventor's signature:  Date: 3/11/04  
Residence: Redwood City, California 94065  
Post Office Address: 336 Mindanao Drive  
U.S.A. Country of Citizenship: USA

Full name of **ninth** inventor: **KEEBUM JUNG**

Inventor's signature:  Date: 2/11/04  
Residence: Gilroy, California 95020  
Post Office Address: 302 Brazos Street  
U.S.A. Country of Citizenship: Unknown

Full name of **tenth** inventor: **LEI ZHU**

Inventor's signature: \_\_\_\_\_ Date: \_\_\_\_\_

Residence: Sunnyvale, California 94086

Post Office Address: 825 Evelyn Avenue #424

U.S.A.

Country of Citizenship: Republic of China

**(Declaration ends with this page)**



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U.S.A. Country of Citizenship: South Korea

Full name of **second** inventor: **SUDHA RATHI**

Inventor's signature: \_\_\_\_\_ Date: \_\_\_\_\_  
Residence: San Jose, California 95132  
Post Office Address: 2748 Westberry Drive  
U.S.A. Country of Citizenship: USA

Full name of **third** inventor: **SANG H. AHN**

Inventor's signature: \_\_\_\_\_ Date: \_\_\_\_\_

Residence: Santa Clara, California 95057

Post Office Address: 860 fargher Drive  
U.S.A. Country of Citizenship: South Korea

Full name of **forth** inventor: **CHRISTOPHER D. BENCHER**

Inventor's signature: \_\_\_\_\_ Date: \_\_\_\_\_

Residence: San Jose, California 95131

Post Office Address: 1251 Hazlett Court  
U.S.A. Country of Citizenship: USA

Full name of **fifth** inventor: **YUXIANG MAY WANG**

Inventor's signature: \_\_\_\_\_ Date: \_\_\_\_\_

Residence: Palo alto, California 94303

Post Office Address: 2569 Marshall Drive  
U.S.A. Country of Citizenship: China

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Inventor's signature: \_\_\_\_\_ Date: \_\_\_\_\_

Residence: Santa clara, California 95051

Post Office Address: 3500 Granada Avenue, #364  
U.S.A. Country of Citizenship: Tunisia

Full name of **seventh** inventor: **MARIO D. SILVETTI**

Inventor's signature: \_\_\_\_\_ Date: \_\_\_\_\_

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Post Office Address: 3450 White Oak Court  
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Full name of **eighth** inventor: **MIGUEL FUNG**

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Residence: Redwood City, California 94065

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U.S.A. Country of Citizenship: USA

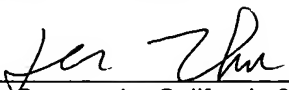
Full name of **ninth** inventor: **KEEBUM JUNG**

Inventor's signature: \_\_\_\_\_ Date: \_\_\_\_\_

Residence: Gilroy, California 95020

Post Office Address: 302 Brazos Street  
U.S.A. Country of Citizenship: Unknown

Full name of **tenth** inventor: **LEI ZHU**

Inventor's signature:  Date: 03/25/2004  
Residence: Sunnyvale, California 94086  
Post Office Address: 825 Evelyn Avenue #424  
U.S.A. Country of Citizenship: Republic of China

**(Declaration ends with this page)**